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**Research Use Only. Not for
diagnostic or therapeutic use.**

EB09815 - Goat Anti-MICS1 / GHITM Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: dermal papilla-derived protein 2, DERP2, DKFZp566C0746, FLJ26584, growth hormone inducible transmembrane protein, HSPC282, MICS1, mitochondrial morphology and cristae structure 1, My021, PTD010, TMBIM5, transmembrane BAX inhibitor motif containing, GHITM

Official Symbol: GHITM

Accession Number(s): NP_055209.2

Human GeneID(s): [27069](#)

Non-Human GeneID(s): 66092 (mouse), 290596 (rat)

Immunogen

Peptide with sequence C-PSREYATKTRIGIR, from the internal region of the protein sequence according to NP_055209.2.

Please note the [peptide](#) is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:8000.

Western blot: Approx 35kDa band observed in lysates of cell line HeLa and of Human Brain (Cerebellum), Duodenum and Heart (calculated MW of 37.2kDa according to Human NP_055209.2). Recommended concentration: 0.01-0.1µg/ml.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Mouse, Rat, Dog, Cow, Pig

Specific Reference

This antibody has been successfully used in Western blot on Human:

Meng H, Yamashita C, Shiba-Fukushima K, Inoshita T, Funayama M, Sato S, Hatta T, Natsume T, Umitsu M, Takagi J, Imai Y, Hattori N.

Loss of Parkinson's disease-associated protein CHCHD2 affects mitochondrial crista structure and destabilizes cytochrome c

Nat Commun. 2017 Jun 7;8:15500.

PMID: 28589937

EB09815 (0.01µg/ml) staining of Human Cerebellum (A), Duodenum (B) and Heart (C) cell lysates (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

EB09815 (0.3µg/ml) staining of HeLa cell lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.